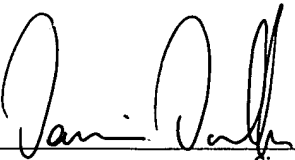
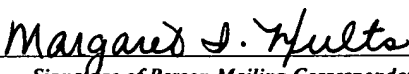


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|   |                                 |                          |                                      |
|---|---------------------------------|--------------------------|--------------------------------------|
| <b>TRANSMITTAL LETTER</b><br>(General - Patent Pending)   |                                 |                          | Docket No.<br>89190.072901/DP-304631 |
| <div style="float: right; border: 1px solid black; padding: 2px;"><b>RECEIVED</b><br/><b>FEB 09 2004</b><br/><b>TC 1700</b></div> <div>In Re Application Of: Keegan, et al.</div>   |                                 |                          |                                      |
| Serial No.<br>10/032,606  | Filing Date<br>October 19, 2001 | Examiner<br>R. Alejandro | Group Art Unit<br>1745               |
| Title: FUEL CELL HAVING OPTIMIZED PATTERN OF ELECTRIC RESISTANCE  |                                 |                          |                                      |
| <div style="border: 1px solid black; border-radius: 50%; width: 150px; height: 150px; margin: 0 auto; display: flex; align-items: center; justify-content: center; text-align: center;"><div style="writing-mode: vertical-rl; transform: rotate(180deg);">PATENT &amp; TRADEMARK OFFICE</div><div style="text-align: center;">FEB 04 2004</div></div><br><u>TO THE COMMISSIONER FOR PATENTS:</u><br><br>Transmitted herewith is:<br><br><b>Amendment and Response to Office Action (9 pages + 1 duplicate page);</b><br><b>Ten (10) Sheets of Replacement Drawings (identified);</b><br><b>Certificate of Mailing by First Class Mail; and</b><br><b>Postcards for Acknowledgement (2).</b><br><br>in the above identified application.<br><br><div style="display: flex; justify-content: space-between;"><div><input checked="" type="checkbox"/> No additional fee is required.<br/><input type="checkbox"/> A check in the amount of _____ is attached.<br/><input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. _____ as described below.<div style="margin-left: 20px;"><input type="checkbox"/> Charge the amount of _____<br/><input checked="" type="checkbox"/> Credit any overpayment.<br/><input checked="" type="checkbox"/> Charge any additional fee required.</div></div><div style="text-align: right;">10-0223</div></div><br><div style="display: flex; justify-content: space-between; align-items: flex-end;"><div style="width: 40%;"><br/>_____<br/>Signature<br/><b>Dennis B. Danella, Esq.</b><br/>Reg. No. 46,653<br/><b>JAECKLE FLEISCHMANN &amp; MUGEL, LLP</b><br/>39 State Street, Suite 200<br/>Rochester, New York 14614-1310<br/>Tel: (585) 262-3640<br/>Fax: (585) 262-4133</div><div style="width: 55%; text-align: right;"><b>Dated: February 2, 2004</b></div></div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"><div style="font-size: small;">I certify that this document and fee is being deposited on February 2, 2004 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</div><div style="text-align: center; margin-top: 10px;"><br/>_____<br/>Signature of Person Mailing Correspondence<br/><br/><b>Margaret I. Hults</b><br/>_____<br/>Typed or Printed Name of Person Mailing Correspondence</div></div> <div style="margin-top: 10px;">cc:</div> |                                 |                          |                                      |

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)**

Applicant(s): Keegan, et al

Docket No.

89190.072901/DP-304631

Serial No.

10/032,606

Filing Date

October 19, 2001

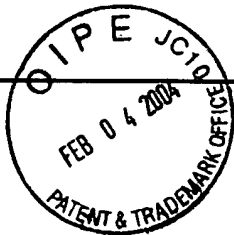
Examiner

R. Alejandro

Group Art Unit

1745

Invention: FUEL CELL HAVING OPTIMIZED PATTERN OF ELECTRIC RESISTANCE



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TC 1700

I hereby certify that this Amendment and Response to Office Action (9 pages + 1 duplicate page)

(Identify type of correspondence)

is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 2, 2004

(Date)

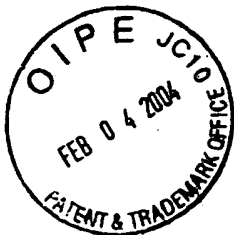
Margaret I. Hults

(Typed or Printed Name of Person Mailing Correspondence)

Margaret I. Hults

(Signature of Person Mailing Correspondence)

Note: Each paper must have its own certificate of mailing.



PATENT  
Serial No. 10/032,606 (89190.072901/DP-304631)  
Response to Office Action dated October 31, 2003

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

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TC 1700

Applicant(s): Keegan et al.

Serial No.: 10/032,606

Filed: October 19, 2001

For: FUEL CELL HAVING OPTIMIZED  
PATTERN OF ELECTRIC  
RESISTANCE

) Examiner: R. Alejandro

) Art Unit: 1745

**AMENDMENT AND RESPONSE TO OFFICE ACTION**

**Mail Stop No Fee Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated October 31, 2003, please amend the  
above-identified application as follows:

**Amendments to the Claims** are reflected in the listing of claims which  
begins on page 2 of this paper.

**Remarks** begin on page 6 of this paper.

An **Appendix** including formal drawing sheets is attached following page 9 of  
this paper.